New Series Released!

Thermo GEAR G120/G100
World First!** Panoramic Thermal Image Shooting Function / Vibration Alarm Function Installed!

Innovative Thermograph Equipped with High Quality Imag / High Performance in Addition to Multi-Angle LCD Screen!

Wide-Angle Shot
Thermal Image Panorama

Temperature Image Movie
SD Card Direct Recording

Image Fusion Function
Parallel Display, etc

Macro Shot
10cm Vicinity

Alarm Function
World First**

Wide View Angle
32° x 24°

LCD Screen
3.5 inch Multi-Angle

Easy Operation
Icon Display
Auto Focusing Installed

Digital Enhancement Function
New Development Image Processing Engine Installed

Data Storage Format
JPEG with Data

**1 World First Panoramic Thermal Image Shooting Function / Vibration Alarm Function (Surveyed by our company at end of December, 2009.)
**2 Installed only in G120.
**3 Dedicated software is required for changing temperature scale or data analysis.

ebs Automatisierte Thermographie und Systemtechnik GmbH
NEC Avio Infrared Systems Service & Sales Center
Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>C100</th>
<th>C100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring Range</td>
<td>-40°C to 50°C</td>
<td>-50°C to 50°C (Option)</td>
</tr>
<tr>
<td>Resolution (NTSC)</td>
<td>0.08°/cm (at 30°, 60 kHz rms.)</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>2° to 2.5°</td>
<td></td>
</tr>
<tr>
<td>Frame Rate</td>
<td>60 frames/sec</td>
<td></td>
</tr>
<tr>
<td>Field of View</td>
<td>35° x 24°, 21° x 14°</td>
<td></td>
</tr>
<tr>
<td>Spatial Resolution</td>
<td>0.1° x 0.1°</td>
<td></td>
</tr>
<tr>
<td>Focusing Range</td>
<td>10 cm to 6.4 m (Extended lens)</td>
<td></td>
</tr>
<tr>
<td>Brightness</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Autodarkening</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Operation/ Image Quality Improvement</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Display Performance</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Measurement Performance</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>Provided</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>Provided</td>
<td></td>
</tr>
</tbody>
</table>

irMOTION collection
Infrared Image Analyzing and Measurement Software

irMOTION PREMIUM (free of cost)
PREMIUM infrared image processing and documentation software for thermal single shot and sequence analysis with multiple adjustment functions and various color palettes. Field oriented hot/Cold spot detection and conversion to the most common publishing formats as AVI, JPG, BMP, TIFF for easy integration into report documents are provided. The infrared data quantitative reporting tools characteristic permits a comfortable editing, allocation, reduction and change of relevant thermal image information, measurement data and events. It is easy to process embedded JPG/photographs from the daylight camera and WAV speech annotations. Data consistency to other MS-Windows based applications is provided.

irMOTION PREMIUM plus
PREMIUM plus extends more in-depth analysis features as line profiles and histogram chart. Setting numerous measurement points, line profiles, poly lines and multiple area figures regarding their individually emissivity and local reflected temperatures are standard. Illustrating of corrected local temperature conditions, automatic span calculation for object-related temperature scales, UT-diagram as time playing and minimized statistical evaluation are obligatory. ESD-sheets, max, min, and step and area minimally calculate model, selective filtration of relevant temperature areas, distribution chart for lines and areas and statistic image analysis function. Image subtraction and daylight photography transcription/conversion representation of infrared images in a semi-transparent Mixed-mode condition. Further is provided object-related object administration as current form based (Templates) reporting set with expert function to R/T or PDF Documents.

Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Specifications / Remarks</td>
</tr>
<tr>
<td>55°C to 50°C Temperature Range</td>
<td>85°C to 50°C</td>
</tr>
<tr>
<td>T/Lens with 1x</td>
<td>16’’ x 12’’ (8:6:8mm)</td>
</tr>
<tr>
<td>Battery Pack</td>
<td>Lithium-ion Battery Pack (2.500mAh) Driving Hours: 4 Hours (Typical)</td>
</tr>
<tr>
<td>Battery Charger</td>
<td>Provided</td>
</tr>
<tr>
<td>Tripod</td>
<td>Provided</td>
</tr>
<tr>
<td>InfraRec Analyzer NS8950</td>
<td>Provided</td>
</tr>
</tbody>
</table>

Dimensions of Measuring Distance and Field of View (Standard 14 mm Lens)

- F30
  - 160×120 Pixels
  - Entry Model of Visual Image Simultaneous Recording

Thermol Gear

- Holographic element
- Temperature measurement
- 55°C to 50°C
- 85°C to 50°C
- Driving Hours: 4 Hours (Typical)
- 16’’ x 12’’ (8:6:8mm)
- Lithium-ion Battery Pack (2.500mAh)
- Power Consumption: 1.8W (Typical)
- Operating Temperature: -10°C to 40°C, 80% RH
- Voltage / Power: 29.4V (12V) / 24/4V (120V)
- EMC: Compliant to CE (Class 2)
- Dimensions: Approx. 210mm (L) x 170mm (W) x 80mm (D)
- Weight: Approx. 1.5kg

InfraRec is the owned abbreviation word of "InfraRec Camera" and also has the meaning of "The Device bringing Thermal Information." We are developing and providing products contributing to peace and benefits of society not only limited to thermal measurement field but also environment/energy, etc.

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